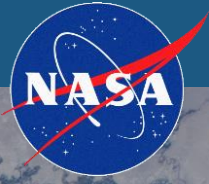




International Space Station



How to Get New Research Onto ISS

◀ **PROCESS** ▶



ISS Research Integration Office
Mission And Program Integration
NASA/Johnson Space Center
November 2015



How to Get New Research Onto ISS

◀ PROCESS ▶ *Summary*



PHASE 1: SPONSORSHIP

Funding Sources

Points of Contact



PHASE 2: STRATEGIC PLANNING



PHASE 3: TACTICAL PLANNING



PHASE 4: OPERATIONS

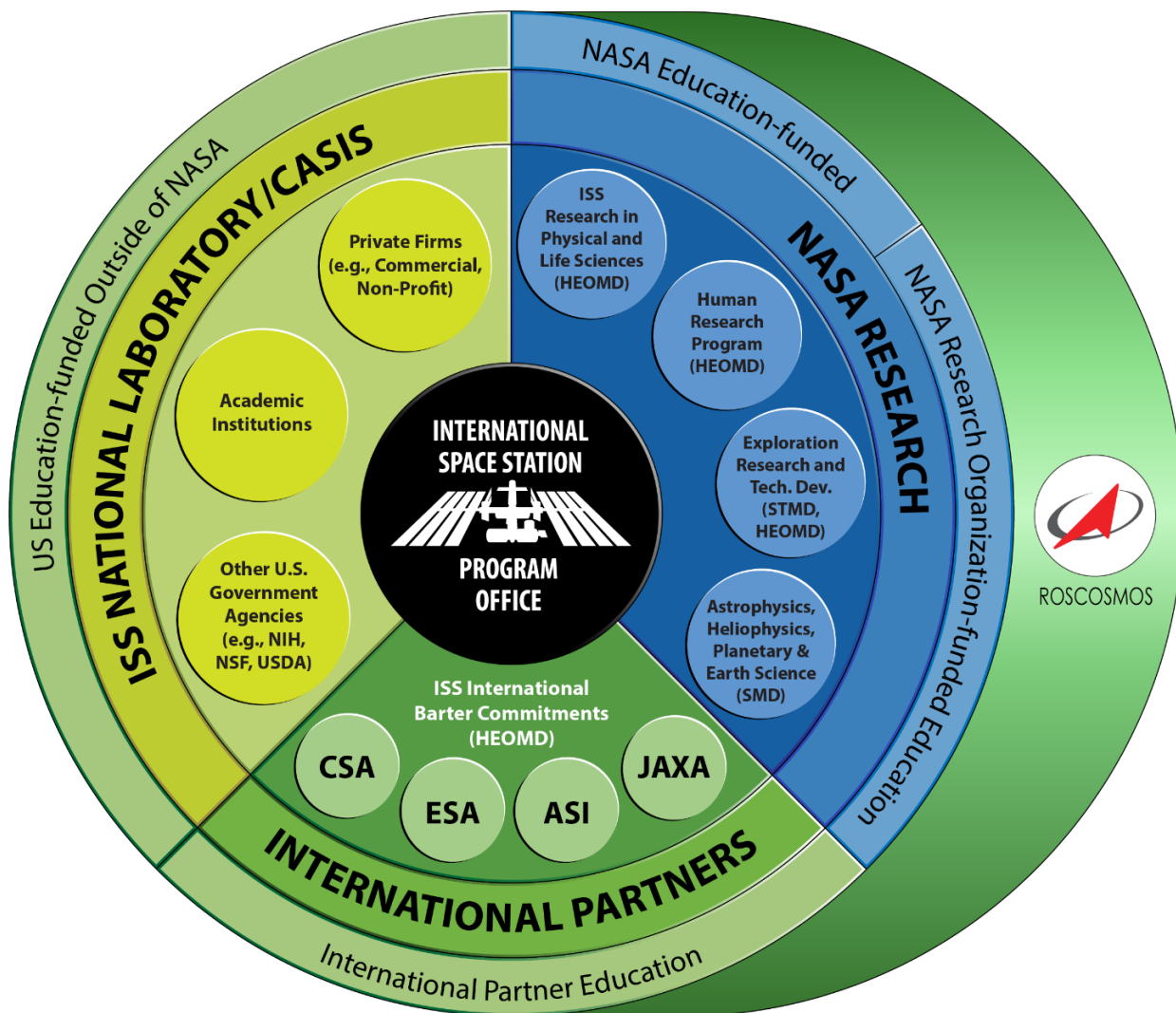


PHASE 5: POST-FLIGHT



PHASE 1: SPONSORSHIP

Funding Sources



(a) NASA Research

Grant opportunities and information in NASA Solicitation and Proposal Integrated Review and Evaluation System (NSPIRES) at <http://nspires.nasaprs.com/external/>

(b) National Laboratory Research / The Center for the Advancement of Space in Science (CASIS)

The 2005 NASA Authorization Act designated the U.S segment of the space station as a national laboratory, enabling access by other Federal agencies, non-profits, and the private sector. Opportunities and information in CASIS' website at www.iss-casis.org/ and www.spacestationresearch.com/research-on-station/opportunities/

(c) Educational Activities

Both NASA Education and CASIS offer education opportunities and information at NASA: www.nasa.gov/audience/foreducators/stem_on_station/index.html. and at CASIS: <http://www.iss-casis.org/research.php>, <http://iss-casis.org/Education.aspx>, <http://casisacademy.org/>

(d) International Partner Research

International investigators should seek sponsorship through their appropriate space agency.

For more information on research sponsorship and funding, see:
http://www.nasa.gov/mission_pages/station/research/ops/funding/

(Acronym list on last page of this presentation)



PHASE 1: SPONSORSHIP

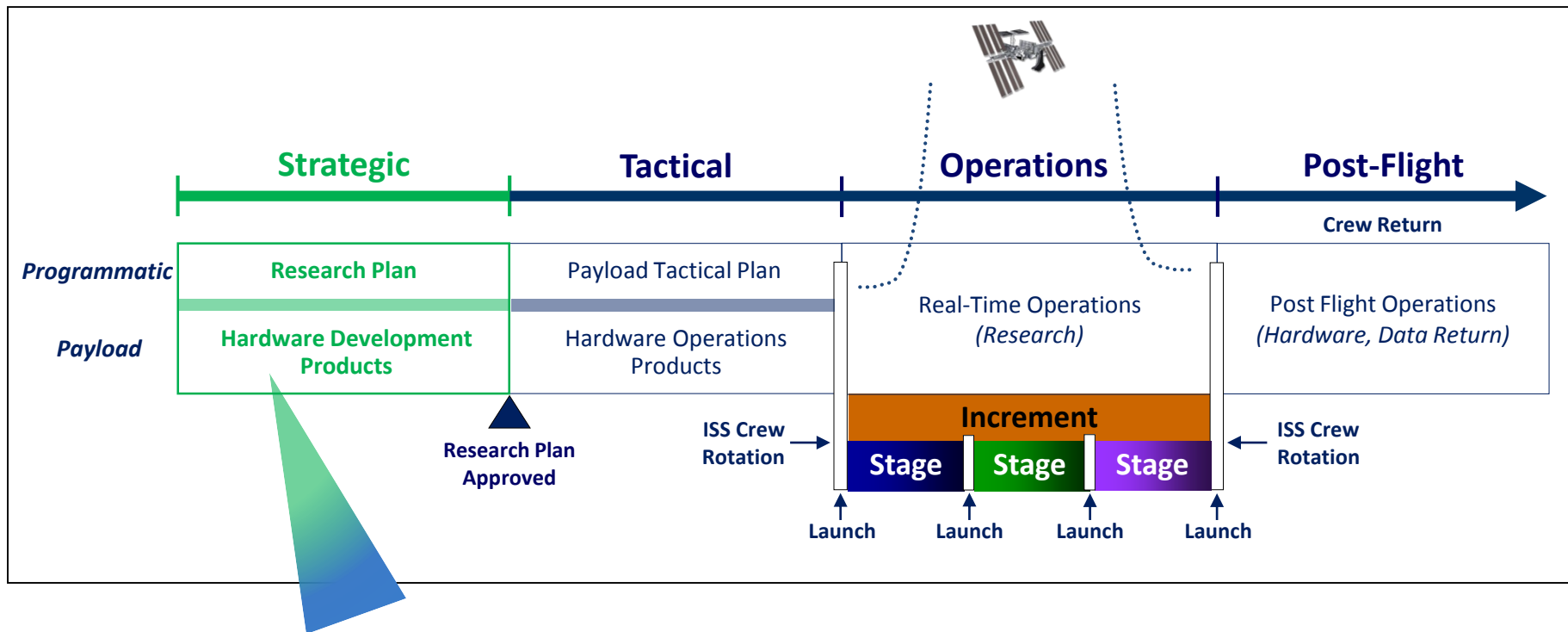
Points of Contact



SPONSORING ORGANIZATION Division or Program (Funding Source)	SELECTING ORGANIZATION Mission Directorate , Office, or Organization - Contact	ISS Integration Contact
NASA Space Life and Physical Sciences Research and Applications Division - Physical Science Research Program (NASA-funded) - Space Biology (NASA-funded)	NASA Human Exploration Operations Mission Directorate <i>Marshall Porterfield, Division Director, Life and Physical Sciences</i> - Terry O'Malley, Program Manager, Physical Science - Francis Chiaramonte, Program Executive, Physical Science - Nicki Rayl, Program Manager, Space Biology - David Tomko, Program Executive, Space Biology - Mark Lee, Program Executive, Fundamental Sciences	George Nelson, NASA/JSC
NASA Space Life and Physical Sciences Research and Applications Division - Human Research Program (NASA-funded)	NASA Human Exploration Operations Mission Directorate - William Paloski, Program Manager, Human Research (JSC)	Suzanne McCollum, NASA/JSC
NASA Astrophysics, Earth Science, Heliophysics, Planetary Science Divisions (NASA-funded)	NASA Science Mission Directorate - Paul Hertz, Division Director, Astrophysics - Michael Freilich, Division Director, Earth Sciences - Jim Green, Division Director , Planetary Science - Jeffrey Newmark, Division Director, Heliophysics	George Nelson, NASA/JSC
NASA Technology Development and Demonstration (NASA-funded)	NASA Space Technology Mission Directorate - Trudy Kortez, Program Executive, Technology Demonstration Missions (STMD) - Ryan Stephan, Program Executive, Game Changing Development (STMD) - Andy Petro, Program Executive, Small Spacecraft and Solar Electric Propulsion (STMD) NASA Human Exploration Operations Mission Directorate - Jason Crusan, Division Director, Advanced Exploration Systems	George Nelson, NASA/JSC
ISS National Laboratory (Other government agency funded, non-profit / commercially funded)	The Center for the Advancement of Space in Science (CASIS) - Ken Shields, Director of Operations, CASIS	Michael Read, NASA/JSC
NASA Education ISS National Laboratory Education	NASA Office of Education - ISS Education: Education Project Manager (TBD) The Center for the Advancement of Space in Science (CASIS) - ISS Education: Ken Shields, Director of Operations, CASIS	George Nelson, NASA/JSC Michael Read, NASA/JSC



PHASE 2: STRATEGIC PLANNING

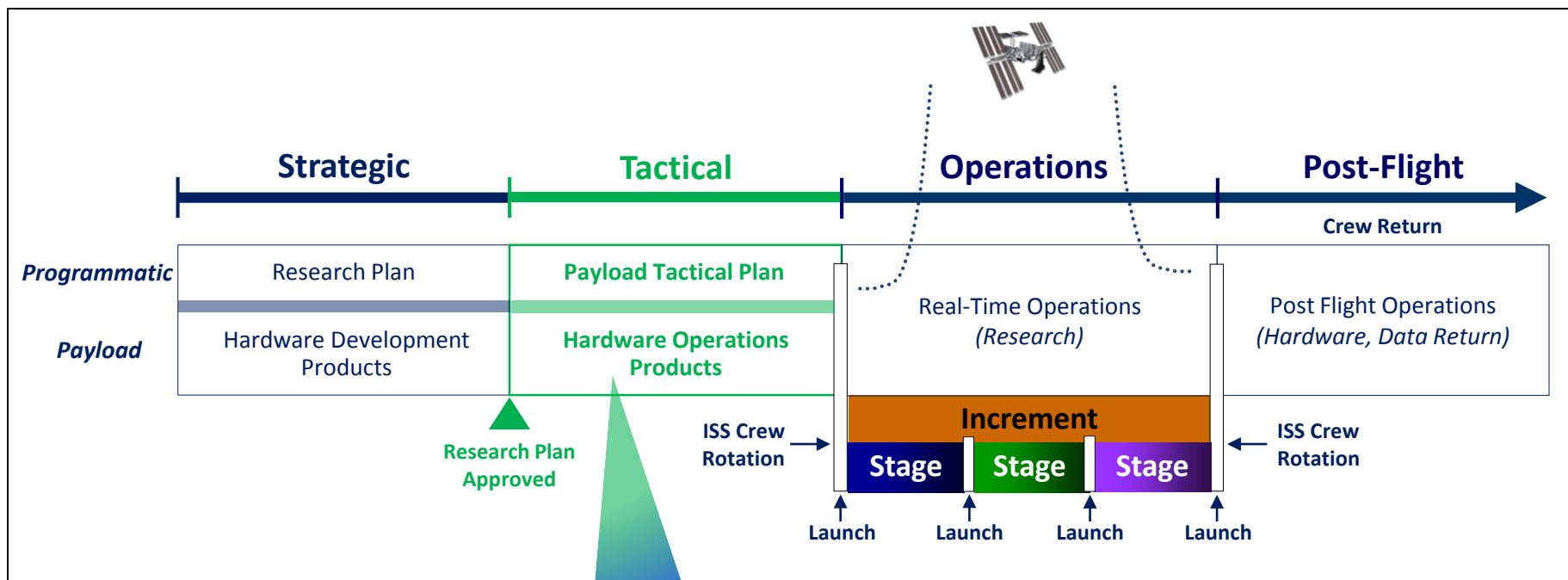


Payload Developer Inputs

WHO: Points of Contact
WHAT: Requirements Definition
WHEN: Operations Plan
WHERE: Launch and On-Orbit Requirements
WHY: Investigation Objectives



PHASE 3: TACTICAL PLANNING

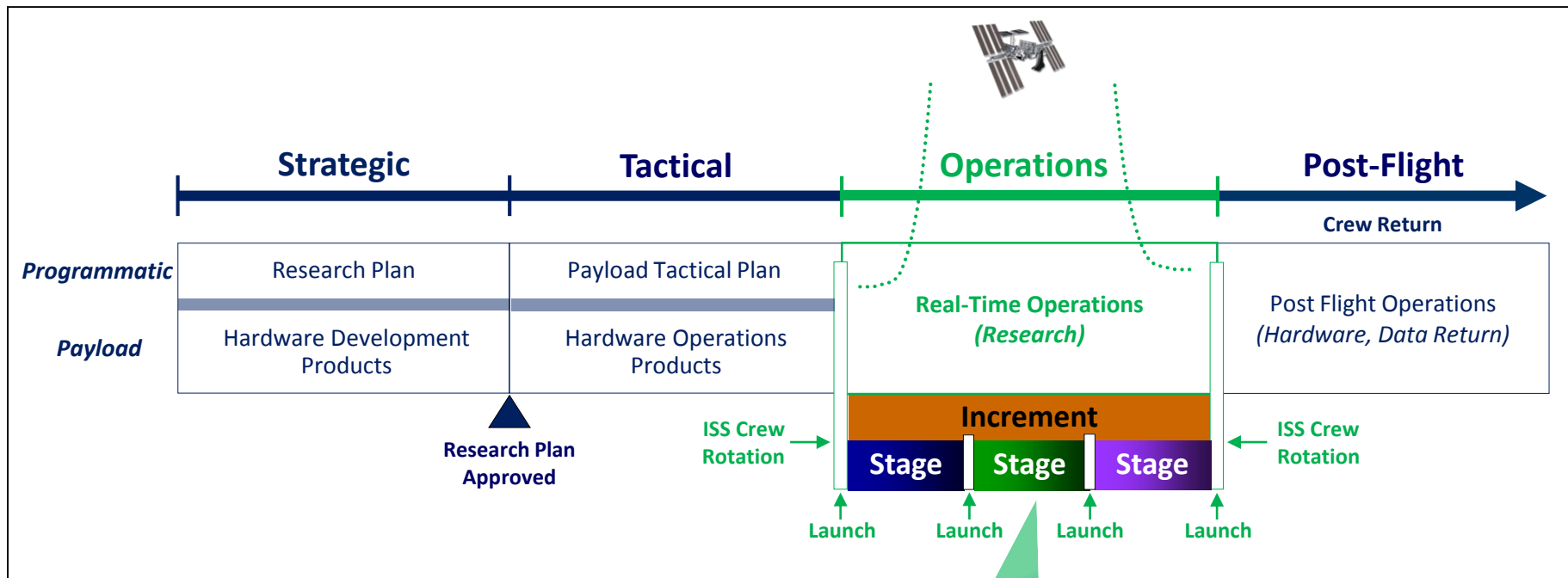


Payload Developer Inputs

- Changes to Baselined Research Plan
- Training Products and Procedures
- Safety Review Packages
- Hardware Verification Data
- Software Verification Data



PHASE 4: OPERATIONS

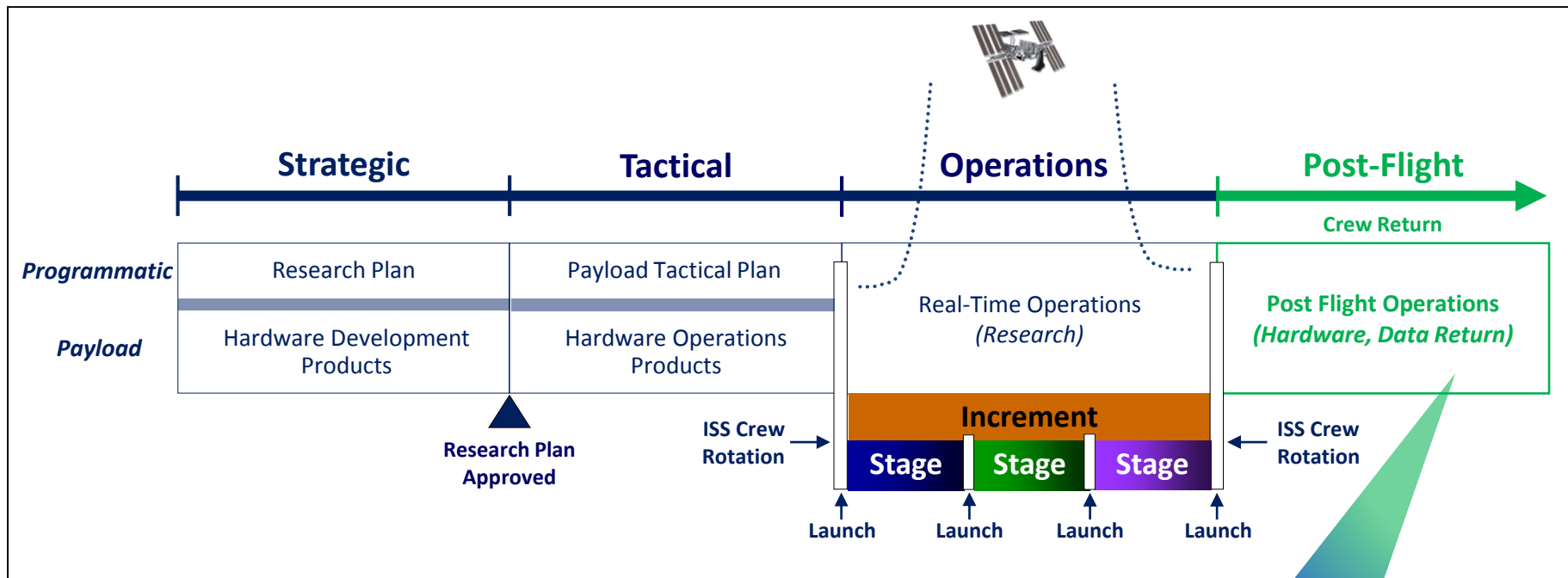


Payload Developer Inputs

- Investigator Participation Real-Time (e.g., Console Operations)
- Crew Conferences
- Anomaly Resolution
- Data Collection and Sample Return



PHASE 5: POST-FLIGHT



Payload Developer Inputs

- Research Summary Updates
- 30-Day Reports
- Formal Publications



ACRONYMS



AES	= Advanced Exploration Systems
ASI	= Agenzia Spaziale Italiana
CASIS	= The Center for the Advancement of Science in Space
CSA	= Canadian Space Agency
DoD	= Department of Defense
ESA	= European Space Agency
HEOMD	= Human Exploration Operations and Mission Directorate
ISS	= International Space Station
JAXA	= Japan Aerospace Exploration Agency
JSC	= Johnson Space Center
NIH	= National Institutes of Health
NSF	= National Science Foundation
NSPIRES	= NASA Solicitation and Proposal Integrated Review and Evaluation System
OCT	= Office of the Chief Technologist
SMD	= Science Mission Directorate
STMD	= Space Technology Mission Directorate
tbd	= To be determined
Tech. Dev.	= Technology Development
USDA	= United States Department of Agriculture